

alkylation reaction. Column 3, line 27. As the same beginning compounds are not used in the reactions of LeSuer as in this product by process claim, LeSuer can not render claim 1, or any claims dependant therefrom, anticipated. Withdrawal of this rejection is respectfully requested.

With regards to claims 11 and 10, LeSeur fails to disclose the Deils-Alders reaction as claimed. As discussed above, rather than disclosing a cycloaddition reaction, LeSeur specifically discloses an alkylation reaction. Column 3, line 27. Since LeSeur cannot anticipate claims 11 and 20, it also does not anticipate any claims dependant therefrom. Withdrawal of this rejection is respectfully requested.


4. NOTICE OF ALLOWABLE SUBJECT MATTER

Applicant gratefully acknowledges the recitation by the Examiner that claim 10 would be allowable if re-written to remove any duplicity and to include sorbic acid. Pursuant to the Examiner's suggestion, Applicants have amended claim 10. As claim 10 depends from an allowable base claim, and in view of the Examiner's recitation of claim 10's allowability, Applicants assert claim 10 is allowable.

5. CONCLUSION

In view of the above amendments to the claims, Applicants respectfully assert that the rejections of the Examiner have been successfully overcome. Applicants respectfully assert that this application in condition for allowance and request further action commensurate thereon. The Examiner is encouraged to contact the undersigned attorney for the Applicants at 206-628-7634 to discuss this application.

Respectfully submitted,


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IN THE CLAIMS

4. (Amended) The anti-wear compound of claim 3 wherein the second moiety is selected from the group consisting of [maleic acid, maleic anhydride] sorbic acid, sorbic anhydride, tetrahydrophthalic anhydride, tetrahydrophthalic acid, salicylic acid, salicylic anhydride, acrylic acid, acrylic anhydride, C₁₋₁₀ alkyl, C₂₋₁₀ alkenyl, or C₁₋₁₀ alkoxy derivatives of the foregoing acids and anhydrides, and combinations thereof.

10. (Four times Amended) The anti-wear compound of claim 1 wherein the anti-wear compound is made from the first moiety, second moiety and third moiety compounds selected from the group consisting of respectively in order for each anti-wear compound trimethylol propane trioleate -[maleic anhydride] sorbic acid-sorbitol, trimethylol propane trioleate -[maleic anhydride] sorbate-sorbitol, and trimethylol propane trioleate -[maleic anhydride]sorbic acid-hydroquinone.

14. (Amended) The process for synthesizing an anti-wear compound of claim 13 wherein the second moiety is selected from the group consisting of [maleic acid, maleic anhydride,] sorbic acid, sorbic anhydride, tetrahydrophthalic anhydride, tetrahydrophthalic acid, salicylic acid, salicylic anhydride, acrylic acid, acrylic anhydride, C₁₋₁₀ alkyl, C₂₋₁₀ alkenyl, or C₁₋₁₀ alkoxy derivatives of the foregoing acids and anhydrides, and combinations thereof.

23. (Amended) The anti-wear supplement composition for addition to lubricant formulas of claim 22, wherein the second moiety is selected from the group consisting of [maleic acid, maleic anhydride,] sorbic acid, sorbic anhydride, tetrahydrophthalic anhydride, tetrahydrophthalic acid, salicylic acid, salicylic anhydride, acrylic acid, acrylic anhydride, C₁₋₁₀ alkyl, C₂₋₁₀ alkenyl, or C₁₋₁₀ alkoxy derivatives of the foregoing acids and anhydrides, and combinations thereof.

26. (Amended) The anti-wear supplement composition for addition to lubricant formulas of claim [20,] 25 wherein the esterification catalyst is an acid catalyst.

31. (Amended) The crankcase oil formulation of claim 28 wherein the second moiety is selected from the group consisting of [maleic acid, maleic anhydride,] sorbic acid, sorbic anhydride, tetrahydrophthalic anhydride, tetrahydrophthalic acid, salicylic acid, salicylic anhydride, acrylic acid, acrylic anhydride, C₁₋₁₀ alkyl, C₂₋₁₀ alkenyl, or C₁₋₁₀ alkoxy derivatives of the foregoing acids and anhydrides, and combinations thereof.